



***Pardon Our Dust:  
Falmouth Intersection Improvement Project***

March 10, 2014

Greg Henion, P.E.

VDOT Assistant District Administrator for Construction



# FALMOUTH INTERSECTION

Route 1, Route 17 and Route 218



# What will the project do?

- Wider intersection = space for new turn lanes and travel lanes
- Shorter wait, fewer fuel emissions
- Pedestrian crossings, with a countdown display
- 5 foot sidewalk
- Medians to divide opposing traffic
- New traffic signal equipment
- Underground utilities



## Project Cost

Preliminary Engineering: \$2.4 million

Right-of-Way: \$12.7 million

Construction: \$ 6.4 million

TOTAL: \$22.4 million

Federal funding is paying for 80 percent  
of the project's cost







# Route 1 Northbound

## *Before construction*

- 2 lanes

## *After construction:*

- 2 left turn lanes
- 2 thru traffic lanes
- 1 right turn lane

## *Carter Street:*

- Right-in, right-out



# Route 1 Southbound

## *Before construction:*

- 2 lanes

## *After construction:*

- 1 left turn lane
- 2 thru traffic lanes
- 1 right turn lane



# Route 17 Southbound

## *Before construction:*

- 1 shared left turn/thru lane
- 1 right turn lane

## *After construction:*

- 1 left turn lane
- 1 thru lane
- 1 right turn lane





# Route 218 (Butler Road)

## *Before construction:*

- 2 lanes

## *After construction:*

- 2 left turn lanes
- 1 thru traffic lane
- 1 right turn lane





# West Cambridge Street

## *Before construction:*

- 2 lanes

## *After construction:*

- Right turn-in only from southbound Route 1



# Landscaping and Architectural Features

- Curved stone walls will be built on the northeast and southwest corners, providing a gateway entrance to Fredericksburg and Stafford.
- Landscaping will be planted around gateway walls and along Route 1, Route 17 Business, and Route 218.
- Medians dividing traffic will be stamped concrete, giving the appearance of a stone wall.





PROJECT MANAGER: *Dist. Specialist* 540-378-3596  
SURVEYED BY: *J.A. Stout* 540-698-6901  
DESIGN SUPERVISED BY: *M.A. Stroup* P.E. 540-699-4278  
DESIGNED BY: *G.B. Benson* L.S.

## GENERAL NOTES

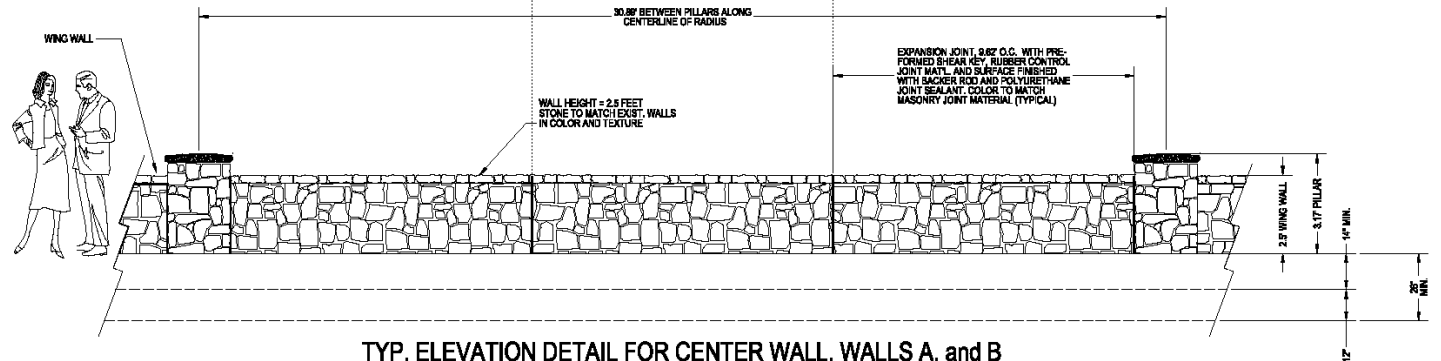
1. SEE ATTACHED SPECIAL PROVISIONS FOR MATERIALS PROCEDURES AND WORKMANSHIP
2. FOR DETAILS NOT SHOWN ON THIS SHEET, SEE SECTION DETAILS SHEET 11(2A)

PRECAST ARCH. CONCRETE CAP

EXPANSION JOINT, 8.62' O.C. (TYP.)

### PLAN VIEW - WALL DETAIL

SCALE: 1/2" = 1'



TYP. ELEVATION DETAIL FOR CENTER WALL, WALLS A, and B  
(See Profile Sheet 11(2E) AND 11(2F) for Vertical Layout)

SCALE: 1/2" = 1'

REVISION	STATE	ROUTE
	VA.	218

DESIGN FEATURES RELATING TO CONTROL OR TO REGULATION AND CONTROL MAY BE SUBJECT TO CHANGE AS NECESSARY BY THE DEPARTMENT

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SURVEYED BY: J.A. Sauter 540-698-6801  
DESIGN SUPERVISED BY: M.A. Shostetter P.E. 540-899-4278  
DESIGNED BY: B. Bousso, L.A. 540-372-9237

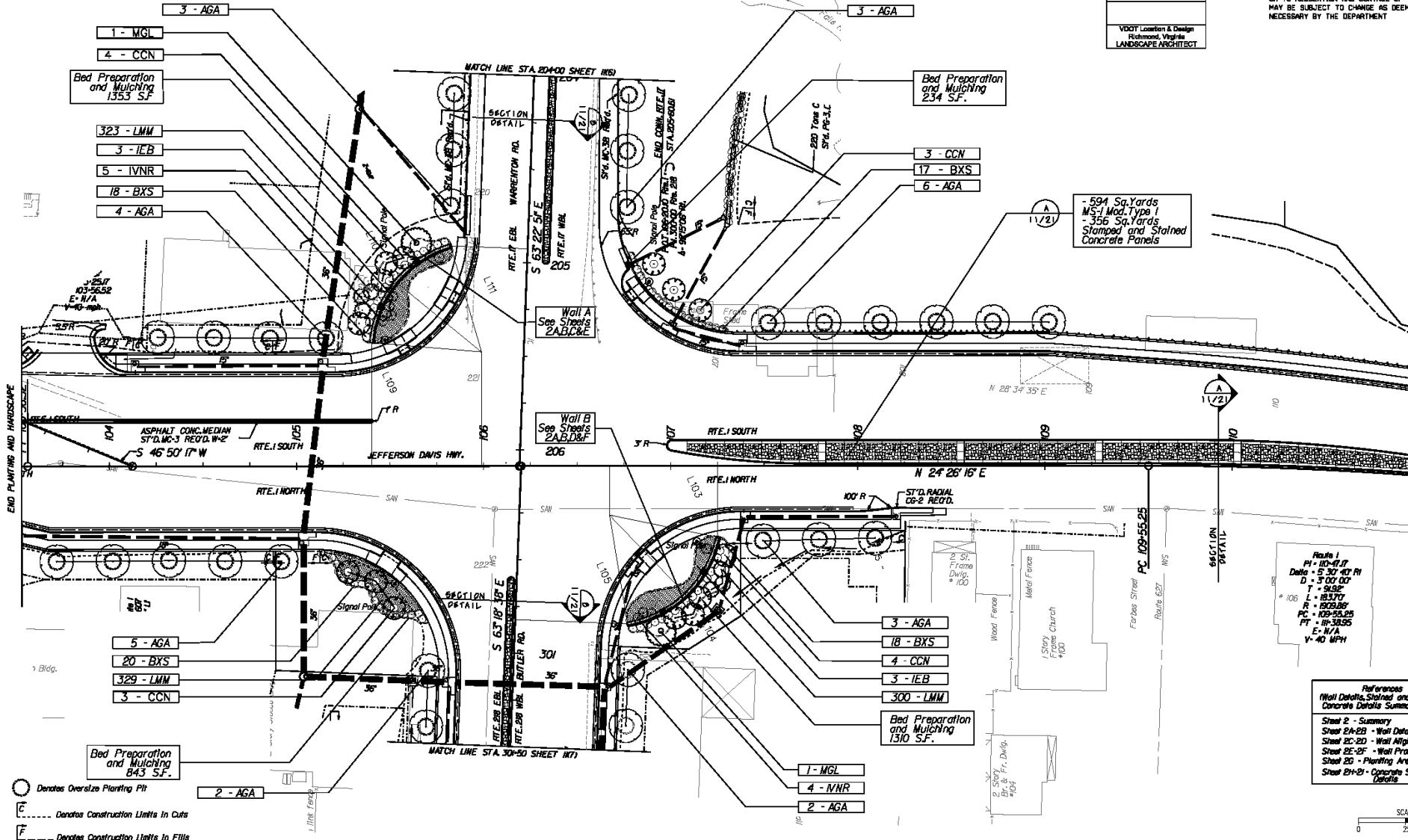
Cable T.V., Cox Communications 1310 Belmont Road, Fredericksburg, VA, 22401 Charles "Tommy" Faulconer (540) 374-8529  
Stafford County Utilities Virginia Department of Utilities 20 P.O. Box 339 Stafford, VA 22555-0339 Mr. Dale Allen (540) 659-8630  
Columbus Gas of Virginia 1809 Gayle Drive Chester, VA 23836 Ed Ryle (804) 789-6497  
Verizon VA, Inc. 502 E. Piedmont St. Culpeper, VA 22703 John R. Bowell (540) 895-2703  
Verizon South VA, Inc. 9401 Parkway Street Manassas, VA 20108 William Loy (703) 369-3671  
Comcast Communications Post Office Box 130 Charlottesville, VA 22903 Richard Riney (540) 834-4908  
Dominion Virginia Power 2501 Grayland Avenue Richmond, VA 23220 Rick McDonald (804) 257-4029

PLANTING AND HARDSCAPE ONLY

REVISION	STATE	ROUTE	PROJECT
	VA	218	0218-089-II C501, R20

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

VDOT Location & Design  
Richmond, Virginia  
LANDSCAPE ARCHITECT



Route 1  
PI = 100+47.17  
Delta = 5 30' 40" PI  
D = 330.00  
T = 94.82'  
L = 1837.07  
R = 1830.80  
PC = 109+55.25  
PT = 109+38.55  
E-W/A  
V=40 MPH

References  
Wall Details, Stained and  
Concrete Details Summary  
Sheet 2 - Summary  
Sheet 2A-2B - Wall Detail  
Sheet 2C-2D - Wall Detail  
Sheet 2E-2F - Wall Detail  
Sheet 2G - Planting Area  
Sheet 2H-2I - Concrete Details

Note: Dotted lines denote Permanent Easements  
Note: Dot-dot-dashed lines denote Temporary Easements.



# When will construction start?

- Construction officially begins on Wednesday, March 5
- Project contractor is Tavares Concrete, Inc., of Lorton, Va.
- Early mobilization work in March will include installation of signs, concrete barriers, silt fences, traffic cones.
- Completion in September 2015
- 18 months of construction



# How will construction affect me?

- **Night work and off-peak single lane closures**
  - Monday-Thursday: 9 p.m. to 6 a.m.
  - Sunday: 10 p.m. to 6 a.m.
  - *NO CLOSURES ON FRIDAY OR SATURDAY*
  - Shoulder closures allowed during daytime hours
- **Changing traffic patterns**
  - Traffic shifts to new lanes as construction begins on medians and inner turn lanes.
  - West Cambridge Street will permanently become one-way only starting in spring 2014.
- **Pardon our dust**
  - Equipment
  - Barrels, cones and workers
  - Temporary driving surface will be rougher
  - New pavement surface added at end of project



# What if I have another question?

Please call us!

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Follow us on Twitter @VaDOTFRED

Project webpage on [www.VirginiaDOT.org](http://www.VirginiaDOT.org)

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